

Welding Technology Associate			Welding Technology Associate		
PTC Course Code	PTC Course Title	Quarter Credits	CCAC Course Code	CCAC Course Title	CCAC Credits
WEL101	Introduction to Welding	3	WLD 101	Welding Fundamentals	2
WEL105	Math for Welders	4	MAT 993	Math Elective	2.67
WEL116	Metal Cutting	3		No equivalent *	
WEL126	Blueprint Reading and Welding Symbols	3	WLD 107	Blueprint Reading for Welders	2
WEL214 and	Shielded Metal Arc Welding	6	WLD 102	Advanced Welding	3
WEL336	Advanced Plate Welding	3		combined with above	
WEL218	Advanced Pipe Welding	5	WLD 223	Advanced Pipe Welding	3
WEL306	Welding Certification/Prep	3	WLD 201	Prep for Welding Certification	2
WEL326	SMAW Pipe Welding	5	WLD 222	Pipe Welding 1 Basic	3
WEL401 and	Gas Metal Arc Welding	3	WLD 202	MIG & TIG Processes	3
WEL411 and	Gas Tungsten Arc Welding	3		combined with above	
WEL421	MIG and TIG Prep	2		combined with above	
WEL416	GTAW/SMAW Pipe Welding	5		No equivalent *	
WEL427	GTAW Tube	3		No equivalent *	
WEL431	Flux Core Arc Welding	3	WLD 217	MIG Flux Core Certification	2
WEL431	Blueprints 2	2		No equivalent *	
WEL441	Exotic Metals	2		No equivalent *	
GSD005	Steps to Career Success 1	1		No equivalent *	
WEL012	Steps to Career Success 2	1		No equivalent *	
GSD180	Career Development	2		No equivalent *	
GSI199	Internship	12		No equivalent *	
GEE101	English Composition 1	4	ENG 101	English Composition 1	2.67
GEE151	English Composition 2	4	ENG 102	English Composition 2	2.67
GEE212	Effective Speech	4	SPH 101	Oral Communication	2.67
GEM171	Physical Science	4	PHS 161	Physical Science for the Industries	2.67
GEM206	Personal Finance	4	MAT 993	Math Elective	2.67
GES131	Ethics	4	PHL 155	Ethics	2.67
GES151	Critical Thinking	4	HUM 993	Humanities elective	2.67
GES201	Human Relations in Organizations	4	PSY 116	Organizational Psychology	2.67
			* Courses above with no equivalent or not in program may be transferred in to make up for course credit differences in quarter to semester credit conversion		
			Remaining Courses to take at CCAC (dependent on completed courses from above)		
			WLD 221	Brazing and Welding	3
			WLD 211	Welding Inspection	3
			MMT 130 or MMT 131	Job Safety & First Aid or Intro to OSHA/Industrial Hygiene	1
			CIT Elective	Computer Info Technology Elective	1-4
				Restricted Elective	3

Welding Technology Certificate			Welding Technology Certificate		
PTC Course Code	PTC Course Title	Quarter Credits	CCAC Course Code	CCAC Course Title	CCAC Credits
WEL101	Introduction to Welding	3	WLD 101	Welding Fundamentals	2
WEL105	Math for Welders	4		No equivalent *	
WEL116	Metal Cutting	3		No equivalent *	
WEL126	Blueprint Reading and Welding Symbols	3	WLD 107	Blueprint Reading for Welders	2
WEL214 and	Shielded Metal Arc Welding	6	WLD 102	Advanced Welding	3
WEL336	Advanced Plate Welding	3		combined with above	
WEL306	Welding Certification/Prep	3	WLD 201	Prep for Welding Certification	2
WEL326	SMAW Pipe Welding	5	WLD 222	Pipe Welding 1 Basic (not in certificate program *)	3
WEL401 and	Gas Metal Arc Welding	3	WLD 202	Mig/Tig Processes	3
WEL411 and	Gas Tungsten Arc Welding	3		combined with above	
WEL421	MIG and TIG Prep	2		combined with above	
WEL431	Flux Core Arc Welding	3	WLD 217	Flux Core Certification	2
WEL431	Blueprints 2	2		No equivalent *	
WEL441	Exotic Metals	2		No equivalent *	
GSD005	Steps to Career Success 1	1		No equivalent *	
WEL012	Steps to Career Success 2	1		No equivalent *	
GSD180	Career Development	2		No equivalent *	
GEM171	Physical Science	4		Not in certificate program *	
GEM206	Personal Finance	4		Not in certificate program *	
			* Courses above with no equivalent or not in program may be transferred in to make up for course credit differences in quarter to semester credit conversion		